

As a below named inventor, I hereby declare:

That, my residence, post office address and citizenship are as stated below next to my name;

That, I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention entitled:

DNA ENCODING A NOVEL RG1 POLYPEPTIDE

the specification of which was filed in the United States Patent and Trademark Office on December 7, 2000, that I have reviewed and understood the contents of the specification, including the claims, that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application in accordance with 37 CFR §1.56(a), and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows:

None

I hereby claim the benefit under Title 35, United States Code 119(e) of the following United States provisional application: Provisional Application Number 60/172,370, Filed December 16, 1999.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Carol J. Roth, Registration No. 32,783
Wendy Washtien, Registration No. 36,301
Anthony J. Zelano, Registration No. 27,969

Address all telephone calls to Carol J. Roth at telephone number (510)669-4483.

Address all correspondence to Carol J. Roth, Berlex Biosciences, Legal Department, 15049 San Pablo Avenue, P.O. Box 4099, Richmond, California 94804-0099.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

FULL NAME OF SOLE JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
-------------------------------------	----------------------	------

Richard Harkins



2/9/01

RESIDENCE

CITIZENSHIP

2819 Sea View Parkway, Alameda, California 94502

U.S.A

POST OFFICE ADDRESS

15049 San Pablo Avenue, P.O. Box 4099, Richmond, California 94804-0099

FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
---------------------------------------	----------------------	------

Deborah Parkes



2/9/01

RESIDENCE

CITIZENSHIP

19050 Hampton Place, Hayward, California 94541

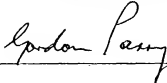
U.S.A.

POST OFFICE ADDRESS

15049 San Pablo Avenue, P.O. Box 4099, Richmond, California 94804-0099

FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
--------------------------------------	----------------------	------

Gordon Parry



2/15/01

RESIDENCE

CITIZENSHIP


2255 Hackamore Court, Walnut Creek, California 94596

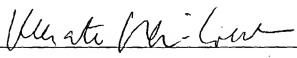
United Kingdom

POST OFFICE ADDRESS

15049 San Pablo Avenue, P.O. Box 4099, Richmond, California 94804-0099

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Douglas W. Schneider		2/15/01
RESIDENCE	CITIZENSHIP	
3329 Walnut Lane, Lafayette, California 94549	U.S.A.	
POST OFFICE ADDRESS		
15049 San Pablo Avenue, P.O. Box 4099, Richmond, California 94804-0099		

FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Renate Steinbrecher		2/12/01
RESIDENCE	CITIZENSHIP	
2255 Hackamore Court, Walnut Creek, California 94596	German	
POST OFFICE ADDRESS		
15049 San Pablo Avenue, P.O. Box 4099, Richmond, California 94804-0099		



UNITED STATES
PATENT AND
TRADEMARK OFFICE

JANUARY 09, 2002

PTAS

Chief Financial Officer and Chief Administrative Officer
Washington, DC 20231
www.uspto.gov

BERLEX BIOSCIENCES
WENDY L. WASHTIEN, PH.D.
LEGAL DEPARTMENT
15049 SAN PABLO AVENUE, P.O. BOX 4099
RICHMOND, CALIFORNIA 94804-0099



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/12/2001

REEL/FRAME: 012285/0805
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HARKINS, RICHARD

DOC DATE: 02/09/2001

ASSIGNOR:

PARKES, DEBORAH

DOC DATE: 02/09/2001

ASSIGNOR:

PARRY, GORDON

DOC DATE: 02/15/2001

ASSIGNOR:

SCHNEIDER, DOUGLAS W.

DOC DATE: 02/15/2001

ASSIGNOR:

STEINBRECHER, RENATE

DOC DATE: 02/21/2001

ASSIGNEE:

SCHERING AKTIENGESELLSCHAFT
BERLIN, FED REP GERMANY

SERIAL NUMBER: 09732357

FILING DATE: 12/07/2000

PATENT NUMBER:

ISSUE DATE:

012285/0805 PAGE 2

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

10-30-2001

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Patent and Trademark Office

To the Honorable Commission

Attached original documents or copy thereof.

1. Name of conveying party(ies):

10188986Z

Name and address of receiving party(ies)

Richard HARKINS, Deborah PARKES, Gordon PARRY,
Douglas W. SCHNEIDER and Renate STEINBRECHER

Name: Schering Aktiengesellschaft

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

10-12-01

Internal Address: _____

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Street Address: _____

Execution Date: February 9, 2001, February 15, 2001 and
February 21, 2001.City: Berlin Country: GermanyAdditional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.: 09/732,357

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Wendy L. Washtien, Ph.D.Internal Address: Legal DepartmentBerlex Biosciences

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00☐ Enclosed☒ Authorized to be charged to deposit accountStreet Address: 15049 San Pablo Avenue

8. Deposit account number:

P.O. Box 409902-2117City: Richmond State: California ZIP: 94804-0099

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct.

Wendy L. Washtien

Name of Person Signing

Signature

Oct 8, 2001

Date

Total number of pages including cover sheet, attachments and document: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignment, Washington, D.C. 20231

10/29/2001 6TOM11 00000149 022117 09732357

01 FC:581

40.00 CH

Whereas, we, Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER, and Renate STEINBRECHER, of Alameda, California, Hayward, California, Walnut Creek, California, Lafayette, California and Walnut Creek, California, respectively, have invented certain new and useful improvements (the invention) in

DNA ENCODING A NOVEL RG1 POLYPEPTIDE

which is described in an application for Letters Patent of The United States of America filed on 07 December 2000;

and whereas, Schering Aktiengesellschaft, having an address at Berlin, Germany, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefore from the United States;

Now, therefore, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER and Renate STEINBRECHER, do hereby assign, sell and transfer unto Schering Aktiengesellschaft, for the territory of The United States of America and for all foreign countries, the full and exclusive right, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, as fully set forth and described in the specification of the application for Letters Patent of the United States executed by us or in any continuation, division, reissue, reexamination or extension thereof and any legal equivalent thereof in a country foreign to the United States of America; said invention, application(s) and Letters Patent(s) to be held and enjoyed by Schering Aktiengesellschaft, for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made.

This assignment is effective as of 16 December 1999.

In witness whereof, we, Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER and Renate STEINBRECHER, have signed and dated this Assignment.

2/9/01
Date
2/9/01
Date
2/9/01
Date
2/15/01
Date
2/21/01
Date

Richard Harkins
Richard HARKINS

Deborah Parkes
Deborah PARKES

Gordon Parry
Gordon PARRY

Douglas W. Schneider
Douglas W. SCHNEIDER

Renate Steinbrecher
Renate STEINBRECHER

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

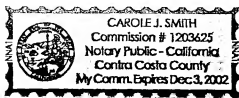
State of California

County of Contra Costa

On February 9, 2001 before me, Carolee J. Smith, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Richard Parsons and Donald Aches
Name(s) of Signer(s)

☒ personally known to me — OR — ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Carolee J. Smith
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment SIT91AUSM1

Document Date: December 16, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: Gordon Parry, Douglas W. Schneider
and Renee Steindorfer

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
- ☐ Corporate Officer
- Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Attorney-in-Fact
- ☐ Trustee
- ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
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Signer's Name: _____

- ☐ Individual
- ☐ Corporate Officer
- Title(s): _____
- ☐ Partner — ☐ Limited ☐ General
- ☐ Attorney-in-Fact
- ☐ Trustee
- ☐ Guardian or Conservator
- ☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
 Top of thumb here

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Contra Costa

On February 15, 2001 before me,

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Gordon Parry and Douglas W. Schneider

Name(s) of Signer(s)

☒ personally known to me – OR – ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Carole J. Smith
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment 51791 AUSM1

Document Date: December 16, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
 Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

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OF SIGNER
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Signer Is Representing: _____

Signer's Name: _____

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☐ Corporate Officer
 Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

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Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

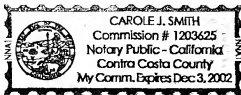
State of California

County of Costa Rica

On February 21, 2001 before me, Carole J. Smith, Notary Public

personally appeared Renate Steinbrecher

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Carole J. Smith
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment 51791 AUSMI

Document Date: December 16, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: Richard Harkins, Deborah Parkes

Capacity(ies) Claimed by Signer(s): Richard Parkes and Douglas W. Schneider

Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
 Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

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OF SIGNER
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Signer's Name: _____

- ☐ Individual
☐ Corporate Officer
 Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney-in-Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

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